

MANUFACTURING EXTENSION PARTNERSHIP

Success Stories from the Field

Tooling Dynamics

MANTEC

Tooling Dynamics 'Lean' through Sales Growth

Client Profile:

Tooling Dynamics specializes in high volume, precision micro-miniature metal stamping and Swiss screw machining. Their expertise is working with very thin gauge metals under extremely tight tolerances to tackle the toughest jobs in the electronic connector world. For over 25 years, they have supported the electronic, medical, solar, aerospace, military, computer and automotive industries. Tooling Dynamics employs 20 people at its facility in York, Pennsylvania.

Situation:

Lead times at Tooling Dynamics were approaching 8 weeks which was unacceptable for the industry. Additionally they were experiencing quality issues and did not have a good handle on raw material inventory. Tooling Dynamics identified the need to train Lean specialists within the company to be the catalyst for implementing continuous improvement initiatives. Employees did not have the skills needed to successfully transform the organization to allow for growth. Tooling Dynamics turned to MANTEC, a NIST MEP network affiliate, and their Certification program to develop these skills.

Solution:

MANTEC's Lean Certification program advanced the company's understanding of Lean techniques through training events and best practice observation opportunities at local Lean facilities. Tooling Dynamics developed key Lean leaders to act as the internal catalyst for implementing Lean processes and leading in-house Lean Kaizen events. The goal of having Lean leaders was to decrease lead times, increase flow velocity, increase value add, create a more visual workplace, reduce of waste, and develop additional leaders throughout to implement Lean practices and principles. The Lean certified employees worked on five areas to maximize space to handle the growth. They performed many 5S (Workplace Organization - Sort, Set in Order, Shine, Standardize, Sustain) projects throughout the facility and set up efficient work cells. With MANTEC's assistance, Tooling Dynamics experienced growth and doubled sales due to methods put in place to diversity the organization.

Results:

- * Realized \$30,000 in cost savings.
- * Reduced scrap by 50 percent.
- * Reduced lead time from 8 weeks to 5 weeks.
- * Increased inventory turnover from 5 turns to 8 turns.
- * Reduced inventory by 30 percent.
- * Created 50 jobs.

Testimonial:

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"MANTEC's LEAN Certification allowed Tooling Dynamics to develop key Lean leaders to ensure we are operating as efficiently as possible. During our growth surge, these techniques were critical to handle the increases and to plan for the future."

John Wilson, Facilities Operations Manager